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<110> EXELIXIS, INC.

<120> MAPK7 AS MODIFIER OF BRANCHING MORPHOGENESIS AND METHODS OF USE

<130> EX03-079C-PC

<150> US 60/420,554

<151> 2002-10-23

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<170> PatentIn version 3.2

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Ala Ala Ala Ala Leu Arg His Pro Phe Leu Ala Lys Tyr His Asp Pro
340 345 350

Asp Asp Glu Pro Asp Cys Ala Pro Pro Phe Asp Phe Ala Phe Asp Arg
355 360 365

Glu Ala Leu Thr Arg Glu Arg Ile Lys Glu Ala Ile Val Ala Glu Ile
370 375 380

Glu Asp Phe His Ala Arg Arg Glu Gly Ile Arg Gln Gln Ile Arg Phe
385 390 395 400

Gln Pro Ser Leu Gln Pro Val Ala Ser Glu Pro Gly Cys Pro Asp Val
405 410 415

Glu Met Pro Ser Pro Trp Ala Pro Ser Gly Asp Cys Ala Met Glu Ser
420 425 430

Pro Pro Pro Ala Pro Pro Pro Cys Pro Gly Pro Ala Pro Asp Thr Ile
435 440 445

Asp Leu Thr Leu Gln Pro Pro Pro Val Ser Glu Pro Ala Pro Pro
450 455 460

Lys Lys Asp Gly Ala Ile Ser Asp Asn Thr Lys Ala Ala Leu Lys Ala
465 470 475 480

Ala Leu Leu Lys Ser Leu Arg Ser Arg Leu Arg Asp Gly Pro Ser Ala
485 490 495

Pro Leu Glu Ala Pro Glu Pro Arg Lys Pro Val Thr Ala Gln Glu Arg
500 505 510

Gln Arg Glu Arg Glu Glu Lys Arg Arg Arg Arg Gln Glu Arg Ala Lys
515 520 525

Glu Arg Glu Lys Arg Arg Gln Glu Arg Glu Arg Lys Glu Arg Gly Ala
530 535 540

Gly Ala Ser Gly Gly Pro Ser Thr Asp Pro Leu Ala Gly Leu Val Leu
545 550 555 560

Ser Asp Asn Asp Arg Ser Leu Leu Glu Arg Trp Thr Arg Met Ala Arg
565 570 575

Pro Ala Ala Pro Ala Leu Thr Ser Val Pro Ala Pro Ala Pro
580 585 590

Thr Pro Thr Pro Thr Pro Val Gln Pro Thr Ser Pro Pro Pro Gly Pro
595 600 605

Leu Ala Gln Pro Thr Gly Pro Gln Pro Gln Ser Ala Gly Ser Thr Ser
610 615 620

Gly Pro Val Pro Gln Pro Ala Cys Pro Pro Pro Gly Pro Ala Pro His
625 630 635 640

Pro Thr Gly Pro Pro Gly Pro Ile Pro Val Pro Ala Pro Pro Gln Ile
645 650 655

Ala Thr Ser Thr Ser Leu Leu Ala Ala Gln Ser Leu Val Pro Pro Pro
660 665 670

Gly Leu Pro Gly Ser Ser Thr Pro Gly Val Leu Pro Tyr Phe Pro Pro
675 680 685

Gly Leu Pro Pro Pro Asp Ala Gly Gly Ala Pro Gln Ser Ser Met Ser
690 695 700

Glu Ser Pro Asp Val Asn Leu Val Thr Gln Gln Leu Ser Lys Ser Gln
705 710 715 720

Val Glu Asp Pro Leu Pro Pro Val Phe Ser Gly Thr Pro Lys Gly Ser
725 730 735

Gly Ala Gly Tyr Gly Val Gly Phe Asp Leu Glu Glu Phe Leu Asn Gln
740 745 750

Ser Phe Asp Met Gly Val Ala Asp Gly Pro Gln Asp Gly Gln Ala Asp
755 760 765

Ser Ala Ser Leu Ser Ala Ser Leu Leu Ala Asp Trp Leu Glu Gly His
770 775 780

Gly Met Asn Pro Ala Asp Ile Glu Ser Leu Gln Arg Glu Ile Gln Met
785 790 795 800

Asp Ser Pro Met Leu Leu Ala Asp Leu Pro Asp Leu Gln Asp Pro
805 810 815